## WHAT IS CLAIMED IS:

1. A computer-implemented method for treating a patient, comprising: digitally scanning a patient's teeth; analyzing the scanned data;

5 planning the treatment;
fabricating a device to treat the patient; and
incorporating treatment outcome as feedback.

- The method of claim 1, further comprising scanning the teeth using one of a
   digital camera, an X-ray scanner, a computer-aided tomographic (CT) scanner, and a
   magnetic resonance imaging (MRI) scanner.
  - 3. The method of claim 1, further comprising separating each tooth from the scanned teeth.
- 15 4. The method of claim 1, further comprising manipulating and setting each tooth in a desired tooth position.
  - 5. The method of claim 1, further comprising generating one or more staging options to move the teeth.
- 20 6. The method of claim 1, further comprising:
  generating an image of the teeth in its desired position; and
  merging the image of the teeth in its desired position with a patient image.

- 7. The method of claim 1, further comprising allowing measurements to each tooth.
- 8. The method of claim 1, further comprising milling each appliance from a polymeric material.
- 9. The method of claim 1, further comprising thermal forming each appliance.
- 5 10. The method of claim 1, further comprising forming one or more wires to move the teeth.
  - 11. The method of claim 1, further comprising cutting, trimming and polishing the appliance.
  - 12. The method of claim 1, wherein the appliance is prepared using a laser machine.
- 13. The method of claim 1, wherein the appliance is prepared using a milling machine.

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- 14. The method of claim1, further comprising shelling a negative of the appliance.
- 15. The method of claim 1, further comprising shelling a positive of the appliance.
- 16. The method of claim1, further comprising shelling the aligner from a biocompatible resin.

	18.	The method of claim 1, further comprising:	
	applying a thermal set material to form the appliance; and		
5	prepa	preparing the appliance for use.	
	19.	An apparatus for treating patient, comprising:	
	a data	capture module,	
	an ana	n analyzer module;	
10	a treat	treatment planning module;	
	a treat	a treatment fabrication module to control a fabrication machine; and	
	a treat	a treatment feedback module; and	
	means	for configuring equipment from one or more vendors and communicating data	
	among	among the modules.	
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	20.	The apparatus of claim 19, wherein the fabrication machine mills the appliance	
	from a	block of polymeric material.	
	21.	The apparatus of claim 19, wherein the fabrication machine is a thermal forming	
20	machi	chine.	
	22.	The apparatus of claim 19, further comprising a trimming machine to receive and	
	trim the appliances.		

The method of claim 1, further comprising thermal setting the appliance.

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- 23. The apparatus of claim 19, wherein the trimming machine is a laser machine.
- 24. The apparatus of claim 19, wherein the trimming machine is a milling machine.
- 25. The apparatus of claim 19, wherein the fabrication machine shells a positive version of an appliance.
- 5 26. The apparatus of claim 19, wherein the fabrication machine shells a negative version of an appliance.
  - 27. The apparatus of claim19, wherein the fabrication machine fabricates appliances using a bio-compatible resin.
  - 28. The apparatus of claim 19, wherein the fabrication machine comprises a thermal setting machine.
    - 29. The apparatus of claim 19, further comprising a virtual health-care electronic commerce community, including:
    - a network to communicate information relating to the community; one or more patients coupled to the network;

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- one or more treating professionals coupled to the network; and a server coupled to the network, the server storing data for each patient and performing patient data visualization in response to a user request.
- 30. The apparatus of claim 29, wherein the treating professional views one or more of the following patient data visualization over the network: a right buccal view; a left buccal view; a posterior view; an anterior view; a mandibular occlusal view; a maxillary occlusal view; an overjet view; a left distal molar view; a left lingual view; a lingual incisor view; a right lingual view; a right distal molar view; an upper jaw view; and a lower jaw view.

- 31. The apparatus of claim 29, wherein the treating professionals include dentists or orthodontists.
- 32. The apparatus of claim 29, further comprising one or more partners coupled to the network.
- 5 33. The apparatus of claim 29, wherein the partners include a financing partner.
  - 34. The apparatus of claim 29, wherein the partners include a supplier.
  - 35. The apparatus of claim 29, wherein the partners include a delivery company.
  - 36. The apparatus of claim 29, wherein the treating professionals perform office management operations using the server.
- one or more of the following: patient scheduling, patient accounting, and claim processing.
  - 38. The apparatus of claim 29, wherein the patients and the treating professionals access the server using browsers.
  - 39. A computer-implemented method for performing dental-related electronic commerce, comprising:

capturing dental data from one or more third-party scanners;

communicating treatment data among one or more modules supplied by different

20 vendors using XML;

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displaying a three-dimensional computer model of the teeth at the treating professional computer using a browser;

selecting a vendor based on the vendor's treatment modality and transmitting the computer model from the treating professional computer to the vendor's server; and generating an appliance to treat the patient based on the computer model of the teeth.

- 5 40. The method of claim 39, wherein the vendor fabricates either a dental wire customized to a patient or an appliance having a geometry selected to reposition the teeth from a first to a second arrangement
- The method of claim 40, further comprising marking at least some of the wires or appliances to indicate their order of use.